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WESTERN AUSTRALIA.

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PLANTS
OF
NORTH-WESTERN AUSTRALIA,
ENUMERATED
BY
BARON FERDINAND VON MUELLER,
K.G.M.G., M.D., PH.D., F.R.S.

PERTH:
BY AUTHORITY: RICHARD PETHER, GOVERNMENT PRINTER.

1881.

R.F.
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Der Offiziersgesellschaft
zu Lund
sponsoring

1880.

WESTERN AUSTRALIA.

Parliament

P L A N T S

OF

NORTH-WESTERN AUSTRALIA,

E N U M E R A T E D

B Y

BARON FERDINAND VON MUELLER,

K.C.M.G., M.D., PH.D., F.R.S.

Presented to the Legislative Council by His Excellency's Command.

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No. 1.

*Enumerative Notes on the Plants collected during Mr. John Forrest's
Trigonometrical Survey of the Nickol Bay District during the
year 1878, by Baron Ferd. von Mueller, K.C.M.G., M.D., Ph.D.,
F.R.S.*

The first accurate knowledge of the vegetation occurring in the country adjacent to Nickol Bay was obtained during Mr. Frank Gregory's geographical expedition in 1861, when Messrs. Maitland Brown and Pemberton Walcott secured a considerable number of plants, of which about 120 were early examined by myself and recorded in 7th Vol. of the Botanical Society of Edinburgh, p. 484-500 (1863). During the harassing duties of this first exploration of the country many of the species were obtained only in an imperfect state, but of these some became subsequently noted from augmented material secured during Mr. Ridley's journey, or through the exertions of several correspondents of my own. Thus many more species became added either in the extensive volumes of the Flora Australiensis, elaborated by Mr. G. Bentham through my collaboration, or became successively scattered through the Fragmenta Phytographiae Australiae. It was not deemed necessary to reiterate in the present list any of the species, which thus previously found their elucidation, although Mr. Forrest's recent travels have given a much wider insight into the range of many particular species known from the district before.

The collections which form the subject of the present document emanated largely from Mr. John Forrest himself, who, as Deputy Surveyor General of West Australia, conducted the recent most creditable surveys; but his brother, Mr. Alexander Forrest, as well as Mr. H. S. Carey, augmented considerably the botanic material thoughtfully brought together also on this occasion. By these united efforts a fact important for phytogeography has been established now,—that a considerable portion of the vegetation of Arnhem's Land and even of the back country of Carpentaria, extends as far South-west as the Nickol Bay District; while again now it has also been shown, that some of those forms of plants, which impress on the more southern tracts of West Australia such a peculiar feature, spread (though only to a far more limited extent) northward so far as to meet many tropical forms in the regions near Nickol Bay. It does not seem that in these instances of southern plants advancing thus far northward the as yet scanty overland traffic with flocks has been instrumental to their dispersion; but it may be readily foreseen, that in course of time pastoral wanderings will also in this part of Australia extend and speed the diffusion of many kinds of plants in a manner such as could not occur so long as merely the black aboriginal inhabitants roamed homeless over the soil.

Among the plants of more than ordinary interest, now known from the country recently surveyed by Messrs. Forrest, the following are deserving of being specially adduced:—the real Caper-plant (*Capparis spinosa*) not specifically different from the Mediterranean typical plant; the Strychnia-bush (*Strychnos nux vomica*); the ordinary Haricot Bean (*Phaseolus vulgaris*), unless this should prove a stray plant from cultivated ground or it be accidentally cast about; *Hibiscus Goldsworthii*, a highly ornamental shrub, now bearing the name of the Hon. Roger Tuckfield Goldsworthy, C.M.G., the

enlightened Colonial Secretary of the West Australian dominions; *Eremophila Fraseri*, a bush of showy splendor, commemorating also now in the vegetable world the manifold exertions of the Hon. Malcolm Fraser in connection with the Survey Department, of which in that Colony he is the official head; the *Decazesia*, an elegant everlasting, dedicated to the Duke Decazés, a renowned statesman, and also leading patron of horticulture in France, *Decazesia* being the only new genus discovered during the late surveys there; the glorious Marie-palm (*Livistona Mariae*), the only palm as yet known from the West Coast of Australia, restricted there seemingly to a solitary locality, and now only through Mr. Forrest's exertions for the first time accurately recognised and circumscribed in its characteristics, though named already at the time of the celebration of the marriage of Her Imperial Highness the Princess Marie of Russia and H.R.H. Prince Alfred, Duke of Edinburgh, from material obtained in Central Australia by Mr. Giles. Particularly remarkable among the plants of the Nickol Bay District is also the tall evergreen Reed (*Phragmites Roxburghii*), which lines some of the river banks, and received there the designation "Cane," its dwarf bamboo-like feature being foreign to any of the West Australian vegetation further south. Strange, however, is the almost total absence of ferns, only *Acrostichum aureum* representing that otherwise large and lovely order among about four hundred species of plants now gradually accumulated in collections from the district, although *Cheilanthes vellea* and *Cheilanthes tenuifolia*, which occur even in Central Australia, will likely be found yet. But neither geographic nor climatic considerations will explain this extreme scantiness of ferns, or the still stranger total absence of orchids there, so far as we have hitherto learned. How much farther north fern and orchid vegetation may commence or become enriched remains as yet to be ascertained; but as one kind of fern-tree has been noticed in shady irrigated valleys near Camden Harbor, it may be assumed that there at least a greater development of these classes of plants takes place within the tropical portion of West Australia; and also on this interesting subject Mr. Alexander Forrest and his companions, during their present expedition overland to Arnhem's Land, are likely to shed light. The true Rice plant (*Oryza sativa*) was found by me during Mr. Aug. Gregory's exploration in 1856 near the West Australian boundaries, and is likely to extend to near the coast tracts. Some of the grasses brought home by Mr. Forrest's party from the Nickol Bay District are of excellent nutritive quality, and nearly all of perennial growth; among these several species of *Panicum*, *Andropogon*, *Eriachne* and *Eragrostis* constitute evidently a rich pasture vegetation. Several of the Salt bushes, now known to occur in the District, are also of high value for herds and flocks, among the species *Atriplex halimoides* and *Krochia villosa*, to both of which so much value is attached in Eastern Australia on pastoral runs.

There may be many other plants among those now noticed of industrial interest, such as *Acacias* for gum and tanners' bark, *Cassias* (except those of the series of *C. artemisioides*) for Senna; cordage plants, the best fibre-sedge (*Cyperus vaginatus*) being already recorded before from the District, perhaps also medicinal and dye plants; but a first hurried survey of a country does not afford sufficient facilities for inquiries of this kind, which can only absorb full attention as the country becomes more fully settled.

By the present systematic enumeration an exhaustive index of all the plants of the District is therefore by no means offered yet; contrarily, the total of the species of the District hitherto derived from all collections is likely to be doubled or even tripled,

through more extended searches there all the year round, although the number of absolutely new forms still to be brought to scientific light will probably prove very limited. But when in the progress of settlement all the interior tracts, and particularly also the most Northern portions of West Australia, shall be occupied and become thereby accessible to inquiries of science also, it will probably be found, that such an increase to our numeric lists of West Australian plants will take place as to demonstrate, that fully half of the many thousand different plants which constitute the natural vegetation of the Australian continent, are as indigenous also represented in some portion or the other of the wide West Australian dominions, rendering them in diversified floral treasures some of the richest of the Globe.

Melbourne, December, 1878.

Cruciferae.

Lepidium pedicellosum. F. v. Mueller, Fragm. Phyt. Austr. xi., 28; Sherlock River, J. Forrest.

Lepidium strongylophyllum. F. v. Mueller in Benth. Flor. Austr. i., 84, var. *lancifolia*; Nickol River, A. Forrest; Fortescue River, H. Stuart Carey.

Lepidium ruderales. Linné Spec. Plant, 645; Fortescue River.

Polygaleae.

Polygala Chinensis. Linné Spec. Plant, 704; Sherlock and Yule Rivers, J. Forrest.

Violaceae.

Hybanthus aurantiacus. F. v. Mueller, Fragm. x., 81; Fortescue River, J. Forrest.

Droseraceae.

Byblis liniflora. Salisbury Paradis. Loudin. t. 95; Sherlock and Yule Rivers, J. Forrest.

Drosera Indica. Linné Spec. Plant, 282; Fortescue River, J. Forrest.

Hypericinae.

Bergia pedicellaris. F. v. Mueller in Benth. Flor. Austr. i., 180; Fortescue River, J. Forrest.

Bergia ammannioides. Roth. Nov. Plant Spec., 219, var. *trimera*; Yule River, J. Forrest.

Sapindaceae.

Dodonaea viscosa. Linné Mantiss. Alt. Plant, 228, var. *cuneata*; Cane and Ashburton Rivers, A. Forrest.

Zygophylleae.

Tribulus terrestris. Lobel. Icon ii., 84; Fortescue River, J. Forrest.

Tiliaceae.

Triumfetta chaetocarpa. F. v. Mueller, Fragm. xi., 61; Fortescue River, J. Forrest.

Triumfetta leptacantha. F. v. Mueller, Fragm. xi., 62; Mount Pynton 2,500ft.; J. Forrest.

Malvaceae.

- Sida corrugata*. Lindley in Mitch. Three Exped. ii., 13; Fortescue River, J. Forrest.
- Sida petrophila*. F. v. Mueller in Schlecht Linnaea xxv., 381; Fortescue River, J. Forrest.
- Sida virgata*. Hooker in Mitch. Trop. Austr., 361; Cane and Ashburton Rivers, A. Forrest.
- Sida calyxhymenia*. Gay in Cand. Prodr. i., 462; Cane River, A. Forrest.
- Sida lepida*. F. v. Mueller, Fragm. vi., 168; DeGrey River, and on several other places, J. Forrest; also a glutinous variety, and another form with larger flowers in the collection.
- Sida cordifolia*. Linné Spec. Plant, 684; unless an allied species, seen only in an imperfect state, the leaves narrower than in the normal form; DeGrey River, J. Forrest.
- Abutilon exonium*. F. v. Mueller, Fragm. xi., 63; Nickol River, A. Forrest.
- Abutilon Fraseri*. Hooker in Mitch. Trop. Austr., 368; Jones' Creek and George's River, J. Forrest.
- Abutilon cryptopetalum*. F. v. Mueller, Fragm. ii., 11; Yule River, J. Forrest.
- Abutilon Indicum*. G. Don, Dichlamyd. Plants i., 504; DeGrey River, J. Forrest.
- Hibiscus Goldsworthii*. F. v. Mueller, Fragm. xi., 30; Sherlock River, J. Forrest.
- Hibiscus Sturtii*. Hooker in Mitch. Trop. Austr., 363, var. lasiospermus; to this possibly specific rank ought to be assigned; Nickol River, A. Forrest; Sherlock and Yule Rivers, J. Forrest.

Sterculiaceae.

- Keraudrenia integrifolia*. Steudel in Lehm. Plant. Preiss. i., 236; Cane River, A. Forrest.
- Waltheria Americana*. Linné Spec. Plant, 673; Fortescue River, J. Forrest.
- Melhanian incana*. Heyne in Wall. List, 1200; Fortescue River, J. Forrest; Nickol River, A. Forrest.

Geraniaceae.

- Erodium cygnorum*. Nees in Lehm. Plant. Preiss. i., 162; Cane and Ashburton Rivers, A. Forrest.

Euphorbiaceae.

- Euphorbia eremophila*. All. Cunningham in Mitch. Trop. Austr., 348; Yule and Sherlock Rivers, J. Forrest; Nickol River, A. Forrest.
- Euphorbia Careyi*. F. v. Mueller, Fragm. xi., 64; Fortescue River, H. Stuart Carey.
- Euphorbia erythrantha*. F. v. Mueller, Fragm. ii., 152; Fortescue River, H. Stuart Carey.
- Phyllanthus rhytidospermus*. F. v. Mueller, in Linnaea xxxiv., 70; Fortescue River, J. Forrest.

Urticeae.

- Ficus platypoda*. All. Cunningham in Hook. Lond. Journ. of Bot. vi., 561; a variety with longer petioles; Mount Pyrton 2500ft., J. Forrest.

Portulacaceae.

- Calandrinia quadrivalvis*. F. v. Mueller, Fragm. i., 176; Yule and Sherlock Rivers, J. Forrest. Petals 8; anthers purple; capsule conical-ovate, slightly longer than the calyx; radical leaves broadly linear; seed almost black, smooth. Verges somewhat to *C. pleiopetala*; this form was gathered by me also on the Victoria River.
- Calandrinia Balonnensis*. Lindley in Mitch. Trop. Austr., 148; Sherlock River, J. Forrest.
- Calandrinia spergularina*. F. v. Mueller, Fragm. i., 175; Sherlock and Yule Rivers, J. Forrest.

Portulaca bicolor. F. v. Mueller, Fragm. i., 171; Sherlock River, J. Forrest; a large flowered variety.

Mollugineae.

Mollugo Glinus. A. Richard, Flor. Abyssin. i., 48; Fortescue River, J. Forrest; Cane and Ashburton Rivers, A. Forrest.

Amarantaceae.

Ptilotus latifolius. R. Brown in Sturt's Central Australia, append. p. 25; Fortescue River, A. Forrest. The same species has been found by Mr. Lewis at Lake Eyre. It is one of the many now shown to extend from Central Australia to the West Coast.

Ptilotus divaricatus. F. v. Mueller, Fragm. vi., 229; Fortescue River, A. Forrest. *Trichinium striatum*, Moq., is merely a variety of this species.

Ptilotus Forrestii. F. v. Mueller, Fragm. Phyt. Austr. xi., inedit.; Yule River, J. Forrest. It differs from *P. Cunninghami* (*Trichinium Cunninghami*, Benth. Flor. Austr. v., 238) in longer bracts, bracteoles and calyces, as also in the hair, straight at the base of the latter, and furthermore in the downward dilated filaments. This species verges in some respects to *P. aervoides*.

Gomphrena conferta. Benth. Flor. Austr. v., 257; a variety with narrower floral leaves; Sherlock and Yule Rivers, J. Forrest; sometimes not above 4 inches high, though abundantly flowering.

Andropogon intermedius. R. Brown, Prodr., 202. Lat. 18 deg. 16 min., Long. 122 deg. 4 min.

Alternanthera nana. R. Brown, Prodr., 417; Fortescue River, J. Forrest.

Alternanthera nodiflora. R. Brown, Prodr., 417; Fortescue River, J. Forrest.

Ptilotus obovatus. F. v. Mueller, Fragm. vi., 228; Fortescue River, H. Stuart Carey; Niekol River, A. Forrest.

Ptilotus alopecuroides. F. v. Mueller, Fragm. vi., 227; Yule, Fortescue and Sherlock Rivers, J. Forrest; Niekol River, A. Forrest.

Ptilotus axillaris. F. v. Mueller (*Trichinium axillare*, F. v. Mueller in Benth. Flor. Austr. v., 232); Cane, Ashburton and Sherlock Rivers, J. Forrest.

Ptilotus exaltatus. Nees in Lehm. Plant. Preiss. i., 630; Fortescue River, J. Forrest.

Ptilotus gracilis. Poiret Diction. Suppl., iv., 620; Fortescue River, J. Forrest.

Gomphrena Maitlandi. F. v. Mueller, Fragm. iii., 124; t. xxiii.; a white flowered variety; George River, Jones Creek and Yule River, J. Forrest.

Salsolaceae.

Atriplex Muelleri. Benth. Flor. Austr. v., 175; Fortescue River, A. Forrest; a variety with muricete fruit calyces.

Atriplex halimoides. Lindley in Mitch. Three Expedit. i., 282; Sherlock and Yule Rivers, J. Forrest. This, as a variety or perhaps distinct species, may be designated *deplanata*; the fruit calyx is more depressed, denticulated at the summit, also less spongy; the leaves are broader and more conspicuously toothed, than in the Eastern plant.

Kochia villosa. Lindley in Mitch. Tropie. Austr. 91; Sherlock and Yule Rivers, J. Forrest; Fortescue River, A. Forrest.

Chenolea divaricata. F. v. Mueller, Native Plants of Victoria, vol. i., part 1; Sherlock and Yule Rivers, J. Forrest.

Dysphania plantaginella. F. v. Mueller, Fragm. i., 61; Sherlock and Yule Rivers, J. Forrest.

Polygoneae.

Polygonum lapathifolium. Linné Spec. Plant, 360; Fortescue River, H. Stuart Carey.

Ficoideae.

Trianthema crystallina. Vahl. Symbol. i., 32; Fortescue River, J. Forrest.

Trianthema decandra. Linné Mantiss., 70; Fortescue River, J. Forrest.

Trianthema turgidifolia. F. v. Mueller, Fragm. x., 83; a variety with long and very narrow leaves; Fortescue River, H. Stuart Carey; Sherlock and Yule Rivers, J. Forrest.

Nyctagineae.

Boerhaavia diffusa. Linné Flor. Zeylan. 10; Hort. Upsal, 4; Yule River, J. Forrest; Fortescue River, H. Stuart Carey.

Stackhousiaceae.

Stackhousia viminea. Smith in Rees's Cyclop., 1819; Sherlock and Yule Rivers, J. Forrest.

Celastrinae.

Celastrus Cunninghami. F. v. Mueller in the Transact. of the Phil. Inst. of Vict. iii., 30; Hamersley Range, M'Rae; a variety with very narrow leaves; except *Leueocarpon obscurum*, no other Celastrinous plant was previously known from any locality within the boundaries of West Australia.

Leguminosae.

Acacia sentis. F. v. Mueller, Second Gen. Report, 1854, p. 11; Nickol River, A. Forrest.

Acacia hemignosta. F. v. Mueller in Journ. of the Proceed. of the Linnean Soc., iii., 134; Yule River, J. Forrest.

Acacia gonocarpa. F. v. Mueller in Journ. of the Proceed. of the Linnean Soc., iii., 136, var. *lasiocalyx*; Yule and Fortescue Rivers, Jones' Creek and George's River, J. Forrest. A variety (unless a distinct species) with more perceptibly margined phyllodia, the calyces and base of corolla beset with short yellow hair.

Neptunia spicata. F. v. Mueller, Fragm. iii., 151; Jones' Creek and George's River, J. Forrest.

Neptunia monosperma. F. v. Mueller in Benth. Flor. Austral. ii., 300; Cane and Ashburton Rivers, A. Forrest. Leaflets in the pinnae sometimes reduced to a few pairs, fruit-stalks stretching out to a length of one inch.

Cassia notabilis. F. v. Mueller, Fragm. iii., 28; Yule River, near the coast, also Cane and Ashburton Rivers, A. Forrest.

Cassia glutinosa. Candolle Prodr. ii., 495; Mount Pyrron, Sherlock and Yule Rivers, J. Forrest; Ashburton River, Forrest.

Cassia Chatelainiana. Gaudichaud in Freyc. Voyage, Bot., 485, t. 111; Fortescue River, J. Forrest. A slightly hairy variety.

Erythrina respertilio. Benth. in Mitch. Trop. Austr., 218, var. *biloba*; Fortescue River, H. Stuart Carey; DeGrey River, J. Forrest.

Mirbelia oxyclada. F. v. Mueller, Fragm. iv., 12; Hamersley Range, M'Rae.

Psoralea patens. Lindley in Mitch. Three Exped. ii., 9; Fortescue River, J. Forrest; Nickol River, A. Forrest. Of the previously recorded *P. leucantha* Mr. Carey found a variety also with digitate 5-foliolate leaves.

Crotalaria crispata. F. v. Mueller in Benth. Flor. Austr. ii., 179; Sherlock and Yule Rivers, J. Forrest. The calyx and upper petal are outside either grey, or yellow, silky.

Crotalaria trifoliastrum. Willdenow Spec. Plant iii., 983; Fortescue River, J. Forrest.

Swainsona stenodonta. F. v. Mueller, Fragm. xi., 75; Sherlock and Yule Rivers, J. Forrest.

Indigofera linifolia. Retzius Observat. iv., 29; Fortescue River, J. Forrest.

Indigofera viscosa. Lamarck Diet. iii., 247; Yule River, J. Forrest.

Tephrosia uniovulata. F. v. Mueller, Fragm. xi., 70; Ashburton and Cane Rivers, A. Forrest.

Alysicarpus rugosus. Candolle Prodr. ii., 353; Fortescue, Sherlock and Yule Rivers J. Forrest. Some of the bracts occasionally broader and blunt; lobes of the calyx finely streaked; pod not rarely half exserted.

Vigna lanceolata. Bentham in Mitch. Trop. Austr., 350; Yule River, J. Forrest; Cane and Ashburton Rivers, A. Forrest; Fortescue River, H. Stuart Carey.

Rosaceae.

Stylobasium spatulatum. Desfontaines in Memoir du Mus. v., 37, t. 2; Fortescue and Nickol Rivers, A. Forrest.

Lythraceae.

Ammannia multiflora. Roxburgh Flor. Indic. i., 426; Fortescue River, J. Forrest.

Haloragaceae.

Haloragis Gossei. F. v. Mueller, Fragm. viii., 161; Cane, Ashburton and Nickol Rivers, J. and A. Forrest.

Myrtaceae.

Melaleuca leucadendron. Linné Mantiss. Plant, 105; Fortescue River, J. Forrest. This is the genuine Cajeput-tree of India.

Eucalyptus gamophylla. F. v. Mueller, Fragm. xi., 40; Mount Pyrton, up to an elevation of 2,500 feet, J. Forrest.

Thymeleae.

Pimelea Forrestiana. F. v. Mueller, Fragm. xi., 46; Mount Pyrton, up to 2,500 feet high, J. Forrest.

Proteaceae.

Grevillea eriostachya. Lindley Bot. Recg. xxv., append. 36; Nickol River, A. Forrest; a white woolly variety with smaller flowers and narrow bracts.

Grevillea stenobotrya. F. v. Mueller, Fragm. ix., 3, var. sericocalyx; Nickol River, A. Forrest.

Grevillea angulata. R. Brown, Proteac Nov., 24; Fortescue River, J. Forrest.

Grevillea leucadendron. All. Cunningham in R. Br. Proteac Nov., 25; Sherlock River, J. Forrest.

Santalaceae.

Santalum lanceolatum. R. Brown, Prodr., 356; Fortescue River, J. Forrest; Hamersley Range, McRae.

Loranthaceae.

Loranthus linophyllus. Fenzl in Hueg. Enum., 56; Sherlock River, J. Forrest; Nickol River, A. Forrest; Fortescue River, H. Stuart Carey. A variety with flowers densely white tomentose.

Rubiaceae.

Dentella repens. R. & G. Forster, Char. Gen. 25, t. 13; Yule and Sherlock Rivers, J. Forrest.

Oldenlandia galioides. F. v. Mueller (Hedyotis galioides, F. v. M., Fragm. iv., 38); Fortescue River, J. Forrest. To Oldenlandia also all the other described Australian species of Hedyotis must be transferred, the former genus having been established by Linné already, in 1740, whereas the latter dates from 1747.

Pomax umbellata. Solander in Gacrtner Fruct. et sem. i., 112; Mount Pyrton at the summit, J. Forrest.

Compositae.

Pterocaulon glandulosum. Bentham Gen. Plant ii., 294; Yule River, J. Forrest.

Pluchea tethranthera. F. v. Mueller, Report on Plants of Babbage's Expedit., p. 12, var. tomentosa; Cane, Fortescue, and Ashburton Rivers, J. and A. Forrest. It may prove a distinct species on account of its thin grey velvety vestiture, generally blunt and toothless leaves, and less acute or quite obtuse involucre bracts.

- Pterigeron microglossus*. Benth. Flor. Austr. iii., 532; Cane and Ashburton Rivers, J. Forrest; Fortescue River, H. Stuart Carey. The species of this genus (or subgenus of *Pluchea*) need a renewed disquisition, and seem overrated in number, but the plant here recorded appears distinct from *P. decurrens*, which was previously noted from the Nickol Bay District.
- Aster megalodontus*. F. v. Mueller, Fragm. viii., 244; a large variety; Mount Pyrron at the summit; allied to *A. xerophilus*; the leaves marked with pellucid dots.
- Calotis porphyroglossa*. F. v. Mueller in Benth. Flor. Austr. iii., 505; Sherlock and Yule Rivers, J. Forrest; Cane, Nickol and Ashburton Rivers, A. Forrest; Fortescue River, H. Stuart Carey.
- Brachycome pachyptera*. Turczaninow in Bullet. Moscow, 1851, i., 175; Ashburton and Cane Rivers, A. Forrest. A caulescent variety with leafy stems of a few inches length. The writer observed this species also at Sharks Bay.
- Centipeda Cunninghamii*. F. v. Mueller, Fragm. viii., 143; Sherlock, Yule and Fortescue Rivers, J. Forrest.
- Angianthus tomentosus*. Wendland Coll. Plant, ii., 51, t. 48, Fortescue River, A. Forrest; there often with 5 setae to the pappus. The same species gathered by myself at Sharks Bay.
- Gnephosis cyathopappus*. Benth. Flor. Austr. iii., 571; Cane and Ashburton Rivers, A. Forrest; Fortescue River, H. Stuart Carey; the flowers of strong scent. This species seems not distinct from the Eastern Plant, although the flower clusters are almost hemispherical and at the base flat; the outer bracts are more herbaceous, and thus more conspicuously contrasting against the inner involucre scales; the capitula are placed into a regular outline, while in the original plant they form an irregular surface of the flower clusters.
- Decazesia hecatcephala*. F. v. Mueller, Fragm. xi., 72; Nickol River, A. Forrest.
- Podolepis pallida*. Turczaninow in Bullet. de Moscow, 1851, ii., 78; Nickol River, A. Forrest. The ray-flowers bright yellow, but bleaching quite white in age.
- Helipterum Humboldtianum*. Candolle Prodr. vi., 216; Sherlock River, Jones' Creek, Fortescue and George's Rivers, J. Forrest; Nickol, Cane and Ashburton Rivers, A. Forrest.
- Helipterum Margarethae*. F. v. Mueller, Fragm. xi., 48; Jones' Creek and George's River, J. Forrest; Cane and Nickol Rivers, A. Forrest. The specimens from the last mentioned localities, received since the description of the plant was published, show the upper leaves narrow lanceolate and without any broad clasping base.
- Helipterum floribundum*. Candolle Prodr. vi., 217; Sherlock River, J. Forrest; Nickol River, A. Forrest.
- Helipterum condensatum*. F. v. Mueller, Fragm. iii., 136; Nickol River, A. Forrest. A variety with only 2-5-flowered capitula and about 12 pappus setae; the ripe fruit rather above one line long, pappus-scabrous, acute towards the base. Noticed by the writer also at Sharks Bay.
- Helichrysum Gilesii*. F. v. Mueller, Fragm. x., 86; Sherlock and Yule Rivers; J. Forrest; Ashburton and Cane Rivers, A. Forrest.
- Helichrysum apiculatum*. Candolle Prodr. vi., 195; Fortescue River, J. Forrest and H. Stuart Carey.
- Gnaphalium luteo-album*. Linné Spec. Plant, 851; Yule River, J. Forrest; Cane and Ashburton Rivers, A. Forrest.

Campanulaceae.

- Wahlenbergia gracilis*. A. de Candolle, Monograph. des Campanulacées, 142; Fortescue River, J. Forrest.
- Lobelia humistrata*. F. v. Mueller, in Benth. Flor. Austr. iv., 130; Fortescue River, J. Forrest. *L. quadrangularis*, R. Brown, Prodr., 563, with which this species became confused, constitutes merely a form of *L. purpurascens*, as I have ascertained from pencil sketches of Bauers specimens, transmitted by Professor Kerner from the museum of the botanic garden of Vienne.

Goodenoviaceae.

- Scaevola spinescens*. R. Brown, Prodr., 586; Yule and Sherlock Rivers, J. Forrest.
Goodenia lamprosperma. F. v. Mueller, Fragm. i., 116; Cane River, A. Forrest; Ashburton River, H. Stuart Carey.
Goodenia Stobbsiana. F. v. Mueller, Fragm. xi., 49; Fortescue River, A. Forrest; Yule River, J. Forrest.
Velleya panduriformis. A. Cunningham, in Benth. Flor. Austr. iv., 46; Yule River, J. Forrest.
Velleya connata. F. v. Mueller, in Transact. Phil. Soc. Vict. i., 18; Nickol River, A. Forrest; a small variety with broader segments of the calyx.

Stylideae.

- Stylidium alsinoides*. R. Brown, Prodr., 572; Fortescue River, J. Forrest.
Stylidium Floodii. F. v. Mueller, Fragm. i., 149; Fortescue River, J. Forrest.

Convolvulaceae.

- Ipomoea Davenportii*. F. v. Mueller, Fragm. vi., 97; Yule River, close to the coast, J. Forrest.
Ipomoea costata. F. v. Mueller in Benth. Flor. Austr. iv., 419; Sherlock and Fortescue Rivers, J. Forrest.
Polymeria mollis. F. v. Mueller; *P. calycina* var. *mollis*, Benth. Flor. Austr. iv., 433; Sherlock River, J. Forrest; Fortescue River, A. Forrest.

Primulaceae.

- Samolus repens*. Persoon Synops. Plant i., 171; Fortescue River, J. Forrest; Hamersley Range, McRae.

Asclepiadeae.

- Tylophora flexuosa*. R. Brown, Prodr., 460; Ashburton and Cane Rivers, A. Forrest.
Sarcostemma Australe. R. Brown, Prodr., 463; Yule and Cane Rivers, J. and A. Forrest.

Apocynae.

- Carissa Brownii*. F. v. Mueller, Fragm. iv., 45; Yule River, J. Forrest. I have from this locality only seen the foliage.

Asperifoliae.

- Halgania solanacea*. F. v. Mueller in Hooker's Kew Miscellany ix., 21; Yule River, J. Forrest.
Heliotropium curassavicum. Linné Spec. Plant, 130; Yule and Sherlock Rivers, J. Forrest.
Heliotropium ovalifolium. Forskael, Flor. Ægypt. Arab. 47; Yule and Fortescue Rivers, J. Forrest.
Heliotropium epacrideum. F. v. Mueller in Benth. Flor. Austr. iv., 396; Yule River, J. Forrest.
Heliotropium bracteatum. R. Brown, Prodr., 493; Yule and Sherlock Rivers, J. Forrest.
Heliotropium tenuifolium. R. Brown, Prodr., 494; Nickol River, A. Forrest; Fortescue River, J. Forrest.
Heliotropium paniculatum. R. Brown, Prodr., 494; Sherlock and Yule Rivers, J. Forrest.
Heliotropium Cunninghamsi. Benth. Flor. Austr. iv., 400; sources of the Sherlock River, J. Forrest. The absolute specific limits within which the varieties of some of these and allied Heliotrops are fluctuating, have not yet been diagnostically settled.

Labiatae.

- Hemigenia eximia*. F. v. Mueller, Collect. Inedit.; Jones' Creek and George's River, J. Forrest.

Myoporinae.

Myoporum tenuifolium. G. Forster, Flor., Insul. Austr. Prodr., 44; Yule River, near the mouth, J. Forrest.

Eremophila Fraseri. F. v. Mueller, Fragm., xi., 51; Hamersley Range, J. Forrest.

Verbenaceae.

Chloanthes atriplicina. F. v. Mueller, Fragm., i., 235; Nickol River, A. Forrest.

Chloanthes loxocarpa. F. v. Mueller, Fragm., ii., 22; Nickol River, A. Forrest. Both gathered by me at Sharks Bay.

Pedalinae.

Josephinia Eugeniae. F. v. Mueller, in Hooker's Kew Miscell., ix., 370, t. 11; Yule River and Sherlock River, J. Forrest.

Acanthaceae.

Justicia procumbens. Linné Spec. Plant, 15; Fortescue River, J. Forrest.

Scrophularinae.

Mimulus gracilis. R. Brown, Prodr., 439; Fortescue River, J. Forrest.

Peplidium Muelleri. Benth. Flor. Austr. iv.—; Sherlock and Yule Rivers, J. Forrest, a variety with orbicular cordate leaves and smaller flowers.

Solanaceae.

Solanum lasiophyllum. Dunal Encycl. Methodiq. Suppl. iii., 764; Fortescue River, J. Forrest and H. Stuart Carey; Cane and Ashburton Rivers, A. Forrest.

Solanum cataphractum. A. Cunningham in Benth. Flor. Austr. iv., 459; Fortescue River, J. Forrest.

Solanum Sturtii. F. v. Mueller in Transact. Philos. Soc. of Vict. i., 19; Fortescue, Sherlock and Yule Rivers, J. Forrest; Nickol River, A. Forrest.

Commelynaceae.

Commelyna cyanea. R. Brown, Prodr., 269; a narrow-leaved form; Fortescue River, H. Stuart Carey.

Liliaceae.

Corynotheca lateriflora. F. v. Mueller, Fragm. vii., 68; Sherlock and Yule Rivers, J. Forrest.

Najadeae.

Potamogeton natans. Linné Spec. Plant, 126; Fortescue River, J. Forrest.

Palmaceae.

Livistona Mariae. F. v. Mueller, Fragm. xi., 54; Mill-Stream, Fortescue River, J. Forrest. When first traversing these regions Mr. Fr. Gregory alluded already to this superb fan-palm in his diary.

Cyperaceae.

Lipocarpa microcephala. R. Brown, Append. to Tuek. Congo, 40; Fortescue River, J. Forrest.

Euirena glomerata. Lamark Illustr. i., 150; Sherlock River, J. Forrest.

Scirpus litoralis. Sehrader Flor. German. i., 142, t. 5; Jones' Creek and George's River, J. Forrest.

Scirpus maritimus. Linné Spec. Plant, 51; Fortescue River, J. Forrest.

Scirpus supinus. Linné Spec. Plant, 49; Fortescue River, J. Forrest.

Cladium Mariscus. R. Brown, Prodr., 236; Hamersley Range, McRae.

Cladium juuceum. R. Brown, Prodr., 237; Hamersley Range, McRae.

Cyperus difformis. Linné Spec. Plant, Edit. Secund., 67; Fortescue River, J. Forrest.

Cyperus rotundus. Linné Spec. Plant, 45; Fortescue River, A. Forrest.

Cyperus squarrosus. Linné Amoenit. Academ. iv., 303; Fortescue River, J. Forrest.

Cyperus polystachyus. Rottboell Progr. Universit. Hafn. 1772, p. 21; Hamersley Range, McRae.

Gramineae.

Eragrostis falcata. Gaudichaud in Freycenet Voy. Bot. 408, t. 25; Nickol River, A. Forrest.

Eragrostis Brownii. Nees in Stend. Glumac. i., 279; Yule River, J. Forrest; one of the very best perennial pasture grasses, sustaining itself against the severest drought; relished by stock of all kinds.

Eragrostis tenella. Beauvois Essai., 176; Fortescue River, H. Stuart Carey.

Xerochloa lanigera. Bentham, Flor. Austr. vii., 502; Yule River, J. Forrest.

Elythrophorus articulatus. Beauvois Essai, 67, pl. xiv; Fortescue River, J. Forrest.

Triraphis mollis. R. Brown, Prodr., 185; Cane and Ashburton Rivers, A. Forrest.

Setaria viridis. Beauvois Essai, 51; Cane and Ashburton Rivers, A. Forrest.

Panicum spinescens. R. Brown, Prodr, 193; Fortescue River, J. Forrest.

Panicum Mitchelli. Bentham Flor. Austr. vii., 489; Fortescue River, J. Forrest.

Eriachne ovata. Nees in Hook. Lond. Journ. of Bot. ii., 418; Fortescue River, H. Stuart Carey.

Aristida stipoides. R. Brown, Prodr., 174; Fortescue River, J. Forrest.

Andropogon bombycinus. R. Brown, Prodr., 202; Nickol River, A. Forrest.

Andropogon contortus. Linné Spec. Plant, 1045; Fortescue River, J. Forrest.

Andropogon annulatus. Forskael, Flor. Ægypt. Arab., 173; Jones' Creek and George's River, J. Forrest.

Andropogon Australis, Spreng. Syst. Veget. i., 287; Sherlock and Yule Rivers, J. Forrest; Fortescue River, H. Stuart Carey.

Erianthus fulvus. Kunth Gramin. i., 160; Fortescue River, H. Stuart Carey. The genus *Erianthus* has been unjustly suppressed in favor of *Pollinia*, although it was established already in 1803, and precisely in the circumscription adopted by the leading Agrostographers Beauvois and Kunth long since, and up to our time by Asa Gray. *Pollinia* on the other hand, as originally defined by Sprengel, in 1815, does not differ from *Andropogon*, and in its subsequent limitations by that author includes, besides species of *Andropogon*, also some of *Ischaemum*, *Diectomis*, *Pogonatherum*, *Leptochloa* and even *Oplismenus*. In Trinius's alteration it occurred only in 1833, when not really generically separable from *Erianthus*. There are, however, many reasons for recombining it with *Saccharum*, as a sub-genus merely. Mr. Bentham and General Munro, at least at some former occasions (e.g. Flor. Hongkong, 420), transposed *Eulalia*, established by Kunth in 1830, by merging it into *Pollinia*; but, if *Eulalia* is to be maintained, it must be for *Pollinia* of recent authors, while *Eulalia* of Trinius forms merely a section of *Erianthus*.

Phragmites Roëburghii. Kunth in Nov. Aet. Acad. Caes. Leop. Carol. Nat. Cur., xxx., Suppl. i., 173; Fortescue, Ashburton and Cane Rivers, also on other streams. This evergreen reed attains a height of 10-12 feet, rarely up to 15 feet.

Filices.

Acrostichum aureum. Linné Spec. Plant, 1069; Hamersley Range; A. McRae.

*List of the Plants collected during Mr. Alexander Forrest's
Exploring Expedition in 1879, between Nickol Bay and King's
Sound.*

As a contribution to our knowledge of the range of species the collection has proved interesting, inasmuch as several of the plants were not known to extend so far South; it is thus also shown, that the peculiar Southern vegetation of Western Australia, which is so rich and remarkable, almost completely ceases in the country between Nickol Bay and King's Sound, although a few of them may reappear under the same latitudes far inland. Indeed, it appears from previous researches, that the Southern vegetation,—a few of its straggling forerunners excepted,—does not to any considerable measure extend North beyond the Gascoyne River. The most notable plant of the collection is a Begonia, if indeed the generic position of the plant is correctly guessed, in the absence of flowers and fruits; it has sessile, clasping, glabrous, denticulated stem leaves, and came from the country between the DeGrey River and LaGrange Bay. Hitherto the order of Begoniaceae was not known to be represented at all as indigenous anywhere in Australia, but this addition would not come unexpected, as a few species of Begonia are on record from so near as Timor and New Guinea.

December, 1879.

FERD. VON MUELLER.

LIST OF PLANTS.

Nymphaeaceae.

Nymphaea stellata. Willdenow, Spec. Plant, ii., 1153; Beagle Bay.

Menispermaceae.

Tinospora smilacina. Bentham in the Journal of the Linnean Society v., Suppl. 52; between the DeGrey River and LaGrange Bay.

Capparideae.

Cleome viscosa. Linné Spec. Plant, 672; between the DeGrey River and LaGrange Bay.

Cleome tetrandra. Banks in DeCand. Prodr. i., 240; between DeGrey River and LaGrange Bay. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.; Lat. 18 deg. 10 min., Long. 122 deg. 26 min.

Droseraceae.

Drosera Indica. Linné Spec. Plant, 282; Beagle Bay. Lat. 18 deg. 16 min., Long. 122 deg. 4 min.; Lat. 17 deg. 17 min., Long. 123 deg. 5 min.; Lat. 18 deg. 4 min., Long. 122 deg. 37 min.

Drosera petiolaris. R. Brown in DeCand. Prodr. i., 318; Beagle Bay; between the DeGrey River and LaGrange Bay. Lat. 18 min. 30 min., Long. 121 deg. 57 min.

Byblis liniflora. Salisbury, Paradisus Londin. t. 95; Beagle Bay. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.; Lat. 17 deg. 53 min., Long. 122 deg. 40 min.

Violaceae.

Hybanthus enneaspermus. F. v. Mueller; Ionidium enneaspermum, Vent. Jardin de la Malmaison, p. 27. Lat. 18 deg. 44 min., Long. 121 deg. 44 min.

Zygophyllaceae.

Tribulus Hystrix. R. Brown, Appendix to Sturt's Central Austr., 6. Lat. 18 deg. 10 min., Long. 122 deg. 26 min.

Tribulus Solandri. F. v. Mueller, Plants of Victoria, i., 99; between DeGrey River and LaGrange Bay. A species of *Zygophyllum* was collected at the same place, but the specimens do not admit of exact naming.

Euphorbiaceae.

Euphorbia eremophila. Cunningham in Mitch. Trop. Austr., 348. Lat. 17 deg. 17 min., Long. 123 deg. 5 min.

Adriana tomentosa. Gaudichaud in Annal. des Scienc. Nat., Prem. Série v., 223; between DeGrey River and LaGrange Bay. The collection contains also one species of *Mallotus* and several of *Euphorbia*.

Sterculiaceae.

Melhanzia incana. Heyne in Wallich's List, 1200; between the DeGrey River and LaGrange Bay. Lat. 18 deg. 4 min., Long. 122 deg. 37 min.

Mclochia corchorifolia. Linné Spec. Plant 675, from Dillenius, Hortus Elthamensis, 221, t. 176, f. 217; Beagle Bay.

Waltheria Indica. Linné Spec. Plant, 673; between DeGrey River and LaGrange Bay. Lat. 18 deg. 56 min., Long. 121 deg. 41 min.; Lat. 17 deg. 53 min., Long. 122 deg. 43 min. A species of *Keraudrenia* was gathered in the same region.

Malvaceae.

Sida corrugata. Lindley in Mitch. Three Expedit. ii., 13; between DeGrey River and LaGrange Bay.

Gossypium Australe. F. v. Mueller, Fragm. i., 46; between DeGrey River and LaGrange Bay.

Hibiscus microchlaenus. F. v. Mueller, Fragm. ii., 116; between DeGrey River and LaGrange Bay.

Hibiscus panduriformis. Burmann Flora Indica, 151, t. 47; between DeGrey River and LaGrange Bay.

Tiliaceae.

Corchorus sidoides. F. v. Mueller, Fragm. iii., 9. Lat. 18 deg. 44 min., Long. 121 deg. 44 min. A species of *Grewia* was thereabouts also collected, but not found in flower.

Corchorus acutangulus. Lamarek, Dict. ii., 104. Lat. 18 deg. 10 min., Long. 122 deg. 26 min. The collection contains also a species of *Triumfetta*.

Sapindaceae.

Atalaya hemiglauca. F. v. Mueller in Bentham Flor. Austr. i., 463; between DeGrey River and LaGrange Bay. Lat. 18 deg. 30 min., Long. 121 deg. 57 min.

Distichostemon phyllopterus. F. v. Mueller in Hook. Kew Miscellany ix., 306; between DeGrey River and LaGrange Bay. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.

Frankeniaceae.

Frankenia laevis. Linné Spec. Plant, 331; between DeGrey River and LaGrange Bay.

Amarantaceae.

Achyranthes aspera. Linné Spec. Plant, 204. Lat. 18 deg. 44 min., Long. 121 deg. 44 min. A species of *Amaranthus* obtained in the same region.

Gomphrena canescens. R. Brown, Prodr. Flor. Novae Hollandiae, 416; between DeGrey River and LaGrange Bay. Lat. 17 deg. 17 min., Long. 123 deg. 5 min.; Lat. 18 deg. 44 min., Long. 121 deg. 44 min.

Ptilotus exaltatus. Nees in Lehmann Plantae Preissianae, i., 630; between DeGrey River and LaGrange Bay.

Caryophylleae.

Polycarpaea longiflora. F. v. Mueller, Report on Plants of Babbage's Expedit., 8; between DeGrey River and LaGrange Bay.

Portulacaceae.

Portulaca filifolia. F. v. Mueller, Fragm. Phyto. Austr. i., 169; between DeGrey River and LaGrange Bay. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

Claytonia strophiolata. F. v. Mueller, Fragm. xi., 82; between DeGrey River and LaGrange Bay; at Beagle Bay, near the Fitzroy River. A new and remarkable species, of which an account is given in Regel's Garten-Flora of this year.

Ficoideae.

Mollugo trigastrotheca. F. v. Mueller, Plants of Victoria i., 201 (note); between the DeGrey River and LaGrange Bay.

Trianthema pilosa. F. v. Mueller, Fragm. i., 174; between the DeGrey River and LaGrange Bay.

Salsolaceae.

Salsola Kali. Linné Spec. Plant, 222; between the DeGrey River and LaGrange Bay.

Nyctagineae.

Boerhaavia diffusa. Linné Flora. Zeilanica, p. 4. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.

Leguminosae.

Acacia hippuroides. Heward in Hooker's London Journal i., 344. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.; Lat. 17 deg. 35 min., Long. 123 deg.; Lat. 18 deg. 30 min., Long. 121 deg. 57 min. Several other Acacias in the collection, but not in perfect state.

Erythrophlaeum Laboucherii. F. v. Mueller in Benth. Flor. Austr. ii., 297, the Leguminous Iron-bark Tree; between the DeGrey River and LaGrange Bay. The poisonous bark contains an alkaloid similar to that of the African congener.

Bauhinia Leichhardtii. F. v. Mueller in the Transactions of the Victorian Institute iii., 50; between the DeGrey River and LaGrange Bay.

Crotalaria medicaginea. Lamarck Dict. ii., 201. Lat. 17 deg. 53 min., Long. 122 deg. 40 min.

Crotalaria crispata. F. v. Mueller, in Benth. Flor. Austr. ii., 179; Beagle Bay.

Zornia diphylla. Persoon Synopsis Plant ii., 318. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.; Lat. 18 deg. 30 min., Long. 121 deg. 57 min.; Lat. 18 deg. 4 min., Long. 122 deg. 37 min.

Desmodium biarticulatum. F. v. Mueller, Fragm. Phyt. Austr. ii., 121, Beagle Bay. A Swainsona was also collected in the vicinity, but not in fruit.

Indigofera viscosa. Lamarck Dict. iii., 247. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

Indigofera enneaphylla. Linné Mantissa, 272; between DeGrey River and LaGrange Bay.

Galactia tenuiflora. Wight and Arnott, Prodr. Flor. Peninsul. Ind. Orient. 206; Beagle Bay.

Rhynchosia minima. DeCandolle Prodr. ii., 385; between DeGrey River and LaGrange Bay.

Myrtaceae.

Melaleuca leucadendron. Linné Mantissa, 105; between the DeGrey River and LaGrange Bay.

Barringtonia Careyia. F. v. Mueller, Fragm. v., 183; between DeGrey River and LaGrange Bay.

Stackhousiaceae.

Stackhousia muricata. Lindley, Botanical Register, 1917. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.

Cucurbitaceae.

Cucumis acidus. Jacquin Observ. Bot. iv., 14; between DeGrey River and LaGrange Bay. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

Mukia scabrella. Arnott in Hook. Journal iii., 276; between DeGrey River and LaGrange Bay.

Thymeleae.

Pimelea punicea. R. Brown, Prodr. 359. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.

Proteaceae.

Grevillea refracta. R. Brown in the Transact. of the Linn. Soc. x., 176; between the DeGrey River and LaGrange Bay. Lat. 18 deg. 10 min., Long. 122 deg. 26 min.

Hakea arborescens. R. Brown in Transact. Linné Soc. x., 187. Lat. 17 deg. 39 min., Long. 122 deg. 44 min.

Combretaceae.

Gyrocarpus Jacquini. Roxburgh Plants of Coromandel, i., 2, t. 1. Long. 122 deg. 26 min., Lat. 18 deg. 10 min.

Santalaceae.

Santalum lanceolatum. R. Brown in Prodr., 356; between DeGrey River and LaGrange Bay. Rubiaceae are represented in the collection by one Gardenia and two Spermacoces.

Compositae.

Calotis breviseta. Bentham in Hueg. Enum. Plant. Nov. Holl. Austr. Occid., 60; Beagle Bay.

Flaveria Australasica. Hooker in Mitch. Trop. Austr., 118; between the DeGrey River and LaGrange Bay.

Pterocaulon sphacelatum. Bentham and J. Hooker Gen. Plant ii., 294; between the DeGrey River and LaGrange Bay. A species of Pluchea also extant in the collection.

Goodeniaceae.

Goodenia sepalosa. F. v. Mueller in Benth. Flor. Austr. iv., 72; between the DeGrey River and LaGrange Bay.

Scaevola spinescens. R. Brown, Prodr., 586. Lat. 18 deg. 30 min., Long. 121 deg. 57 min.

Convolvulaceae.

Cressa Cretica. Linné Spec. Plant, 223; between DeGrey River and LaGrange Bay.

Convolvulus parviflorus. Vahl Symbol. iii., 29; between DeGrey River and LaGrange Bay. Lat. 18 deg. 30 min., Long. 121 deg. 57 min. Beagle Bay.

Ipomoea heterophylla. R. Brown Prodr., 487. Lat. 19 deg. 35 min., Long. 121 deg. 10 min. Lat. 18 deg. 56 min., Long. 121 deg. 41 min. Lat. 17 deg. 53 min., Long. 122 deg. 40 min.

Ipomoea dissecta. Willdenow Phytograph, 5 t. 2; between DeGrey River and LaGrange Bay. Besides the genus Polymeria represents this order in the collection.

Ipomoea angustifolia. Jacquin Collectan. ii., 367. Lat. 18 deg. 30 min., Long. 121 deg. 57 min.

Evolvulus linifolius. Linné Spec. Plant. Edit. sec. 392; between DeGrey River and LaGrange Bay.

Jasminaceae.

Jasminum calcareum. F. v. Mueller, Fragm. i., 212; Between DeGrey River and LaGrange Bay.

Jasminum lineare. R. Brown, Prodr., 521; between DeGrey River and LaGrange Bay. Lat. 18 deg. 41 min., Long. 121 deg. 44 min.

Loganiaceae.

Mitrasacme longiflora. F. v. Mueller in Benth. Flor. Austr. iii., 353. Lat. 18 deg. 44 min., Long. 121 deg. 44 min.

Myoporaceae.

Myoporum tenuifolium. G. Forster Prodr. Flor. Insul. Austr., 44; between DeGrey River and LaGrange Bay. Lat. 18 deg. 30 min., Long. 121 deg. 57 min. Lat. 18 deg. 44 min., Long. 121 deg. 44 min.

Asclepiadeae.

Gymnanthera nitida. R. Brown, Prodr., 464; Beagle Bay.

Cynanchum floribundum. R. Brown, Prodr., 463; between DeGrey River and LaGrange Bay.

Apocynae.

Carissa Brownii. F. v. Mueller, Fragm. Phyt. Austr. iv., 45; between DeGrey River and LaGrange Bay.

Verbenaceae.

Premna acuminata. R. Brown, Prodr., 412; between DeGrey River and LaGrange Bay; Beagle Bay. Lat. 18 deg. 30 min., Long. 121 deg. 57 min.

Clerodendron tomentosum. F. v. Mueller, Fragm. iii., 145; between DeGrey River and LaGrange Bay.

Scrophularinae.

Mimulus Uvedalia. Benth. in Cand. Prodr., x., 369; Beagle Bay. Two species of *Buchnera* occur also in the collection, and two of *Vandellia*.

Asperifoliae.

Heliotropium bracteatum. R. Brown, Prodr., 493; between DeGrey River and LaGrange Bay, together with some congeners.

Acanthaceae.

Nelsonia campestris. R. Brown, Prodr., 480; Beagle Bay.

Bignoniaceae.

Dolichandrone heterophylla. Fenzl in Seem. Journ. of Bot., 1863, p. 226; between the DeGrey River and LaGrange Bay. Lat. 17 deg. 53 min., long. 122 deg. 40 min.

Orchideae.

Cymbidium canaliculatum. R. Brown, Prodr., 331. Lat. 18 deg. 10 min., Long. 122 deg. 26 min.; Lat. 18 deg. 44 min., Long. 121 deg. 44 min. No other Orchid in the collection.

Taccaceae.

Tacca pinnatifida. G. Forster, Plant Escul., p. 59; Beagle Bay.

Pandanaceae.

Pandanus odoratissimus. Linné Fil. Suppl. Plant, 424; Beagle Bay. Lat. 16 deg. 56 min. This is the Screw-Pine or Pine-Palm.

Commelynaceae.

Cartonema parviflorum. Hasskarl in Der Regensburger Bot. Zeitung, 1869, p. 365; Beagle Bay.

Ancilema gramineum. R. Brown, Prodr. 270; between DeGrey River and LaGrange Bay. Lat. 18 deg. 30 min., Long. 121 deg. 57 min.; Lat. 18 deg. 4 min., Long. 122 deg. 37 min.

Commelyna ensifolia. R. Brown, Prodr., 269; between DeGrey River and LaGrange Bay.

Xyrideae.

Xyris elongata. Rudge in the proceedings of the Linn. Soc. x. 289, t. 15. Lat. 16 deg. 56 min., Long. 122 deg. 45 min.

Cyperaceae.

Cyperus pulchellus. R. Brown, Prodr. 213; Beagle Bay.

Rhynchospora tenuifolia. Benth. Flor. Austr. vii., 350; Beagle Bay.

Puirena umbellata. Roth Descript. et Icon. Rarior. Plant, Illustr. 70, t. 19, f. 3; Beagle Bay.

Fimbristylis tetragona. R. Brown, Prodr., 226; Beagle Bay.

Fimbristylis barlata. Benth. Flor. Austr. vii., 321. Lat. 18 deg. 4 min., Long. 122 deg. 37 min.; Lat. 19 deg. 35 min., Long. 121 deg. 10 min. Three other species in the collection.

Gramineae.

Pappophorum commune. F. v. Mueller, Appendix to Report of Gregory's Expedition. 1859, p. 10; between DeGrey River and LaGrange Bay.

Eleusine cruciata. Lamark Encyclop. Method. t. 48, f. 2; between DeGrey River and LaGrange Bay. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

Triodia pungens. R. Brown, Prodr., 182; between DeGrey River and LaGrange Bay.

Sporobolus pulchellus. R. Brown, Prodr., 170; between DeGrey River and LaGrange Bay.

Triraphis mollis. R. Brown, Prodr., 185; between DeGrey River and LaGrange Bay.

Spinifex longifolius. R. Brown, Prodr., 198. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

Eriachne orata. Nees in Hook. Lond. Journ. of Bot. ii., 418; Fortescue River. H. Stuart Carey.

Eriachne ciliata. R. Brown, Prodr., 184; between DeGrey River and LaGrange Bay.

Andropogon Australis, Spreng. Syst. Veget. i., 287; Sherlock and Yule Rivers. J. Forrest; Fortescue River, H. Stuart Carey.

Andropogon bombycinus. R. Brown, Prodr., 202; between DeGrey River and LaGrange Bay.

Andropogon contortus. Linné Spec. Plant, 1045. Lat. 18 deg. 16 min., Long. 122 deg. 4 min.

Panicum decompositum. R. Brown, Prodr., 191; between DeGrey River and LaGrange Bay.

Setaria verticillata. Beauvois, Essai. 51; between DeGrey River and LaGrange Bay.

Setaria glauca. Beauvois, Essai. 51. Lat. 19 deg. 35 min., Long. 121 deg. 10 min.

An enumeration of the plants, collected during Mr. Alex. Forrest's Expedition between King's Sound and Port Darwin, has appeared in the Volume for 1880, of the Royal Society of New South Wales.

